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Express Mail Mailing Label No. EL653443262US

TRANSMITTAL  
FORM

Application Serial Number	09/422,999
Filing Date	October 22, 1999
First Named Inventor	Kawasaki
Group Art Unit	1646
Examiner Name	Murphy, J.
Attorney Docket No.	MIT-103
Patent No.	Not applicable
Issue Date	Not applicable

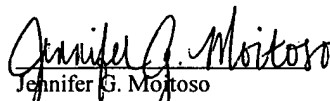
## ENCLOSURES (check all that apply)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Check Attached<br><input type="checkbox"/> Copy of Fee Transmittal Form<br><input checked="" type="checkbox"/> Amendment/Response<br><input type="checkbox"/> Preliminary<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]<br><input type="checkbox"/> Petition for Extension of Time<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Form PTO-1449<br><input type="checkbox"/> Copies of IDS Citations<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Sequence Listing submission<br><input type="checkbox"/> Paper Copy/CD<br><input type="checkbox"/> Computer Readable Copy<br><input type="checkbox"/> Statement verifying identity of above | <input type="checkbox"/> Copy of Notice to File Missing Parts of Application<br><input type="checkbox"/> Formal Drawing(s)<br><input type="checkbox"/> Request For Continued Examination (RCE) Transmittal<br><input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application<br><input type="checkbox"/> Small Entity Statement<br><input type="checkbox"/> CD(s) for large table or computer program<br><input type="checkbox"/> Amendment After Allowance<br><input type="checkbox"/> Request for Certificate of Correction<br><input type="checkbox"/> Certificate of Correction (in duplicate) | <input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences<br><input type="checkbox"/> Appeal Brief (in triplicate)<br><input type="checkbox"/> Status Inquiry<br><input checked="" type="checkbox"/> Return Receipt Postcard<br><input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8<br><input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8<br><input type="checkbox"/> Additional Enclosure(s) (please identify below) |
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**PATENT**  
Atty. Docket No. MIT-103  
(5473/111)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANTS:** Kawasaki et al.      **CONFIRMATION NO.:** 6219  
**SERIAL NUMBER:** 09/422,999      **GROUP NO.:** 1646  
**FILING DATE:** 10/22/99      **EXAMINER:** Murphy, J.  
**TITLE:** GENES INTEGRATING SIGNAL TRANSDUCTION  
PATHWAYS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE**

Sir:

This paper is responsive to the Office Action mailed on December 18, 2003, in the above-identified patent application. For the reasons discussed below, Applicants respectfully request withdrawal of the rejections made in the Office Action and allowance of the application. Applicants believe that no fee is due upon submission of this paper. However, if any fees are due, the Commissioner is hereby authorized to charge them to Deposit Account No. 20-0531.

Please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 11 of this paper.